

Aeronautics Educator Guide			
2007 Mathematics			
Core Curriculum			
Utah Mathematics			
Grade 2			
Activity/Lesson	State	Standards	
Air Engines (12-16)	UT	MA.2.3.2.a	Identify and use measurement units to measure, to the nearest unit, length (i.e., inch, centimeter), weight in pounds, and capacity in cups.
Air Engines (12-16)	UT	MA.2.3.2.b	Estimate and measure length by iterating a nonstandard or standard unit of measure.
Air Engines (12-16)	UT	MA.2.3.2.c	Use different units to measure the length of the same object and recognize that the smaller the unit, the more iterations needed to cover a given length.
Paper Bag Mask (23-28)	UT	MA.2.3.2.a	Identify and use measurement units to measure, to the nearest unit, length (i.e., inch, centimeter), weight in pounds, and capacity in cups.
Paper Bag Mask (23-28)	UT	MA.2.3.2.b	Estimate and measure length by iterating a nonstandard or standard unit of measure.
Paper Bag Mask (23-28)	UT	MA.2.3.2.c	Use different units to measure the length of the same object and recognize that the smaller the unit, the more iterations needed to cover a given length.
Wind in Your Socks) (29-35)	UT	MA.2.3.2.b	Estimate and measure length by iterating a nonstandard or standard unit of measure.
Wind in Your Socks) (29-35)	UT	MA.2.3.2.c	Use different units to measure the length of the same object and recognize that the smaller the unit, the more iterations needed to cover a given length.
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Grade 3			
Activity/Lesson	State	Standards	
Air Engines (12-16)	UT	MA.3.4.1.b	Measure the length of objects to the nearest centimeter, meter, half- and quarter-inch, foot, and yard.
Air Engines (12-16)	UT	MA.3.4.2.b	Compare given objects according to measurable attributes (i.e., length, weight, capacity).
Let's Build a Table Top Airport (91-96)	UT	MA.3.4.1.e	Describe perimeter as a measurable attribute of two-dimensional figures, and estimate and measure perimeter with metric and customary units.
We Can Fly, You and I: Interdisciplinary Learning (107-108)	UT	MA.3.4.2.d	Determine elapsed time in hours (e.g., 7:00 a.m. to 2:00 p.m.).

Paper Bag Mask (23-28)	UT	MA.3.4.1.b	Measure the length of objects to the nearest centimeter, meter, half- and quarter-inch, foot, and yard.
Paper Bag Mask (23-28)	UT	MA.3.4.1.e	Describe perimeter as a measurable attribute of two-dimensional figures, and estimate and measure perimeter with metric and customary units.
Paper Bag Mask (23-28)	UT	MA.3.4.2.b	Compare given objects according to measurable attributes (i.e., length, weight, capacity).
Wind in Your Socks) (29-35)	UT	MA.3.4.1.b	Measure the length of objects to the nearest centimeter, meter, half- and quarter-inch, foot, and yard.
Wind in Your Socks) (29-35)	UT	MA.3.4.1.e	Describe perimeter as a measurable attribute of two-dimensional figures, and estimate and measure perimeter with metric and customary units.
Wind in Your Socks) (29-35)	UT	MA.3.4.2.b	Compare given objects according to measurable attributes (i.e., length, weight, capacity).
Right Flight (52-59)	UT	MA.3.4.2.b	Compare given objects according to measurable attributes (i.e., length, weight, capacity).
Right Flight (52-59)	UT	MA.3.5.1.b	Make predictions based on a data display.
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Grade 4			
Activity/Lesson	State	Standards	
Rotor Motor (69-75)	UT	MA.4.5.1.b	Collect, read, and interpret data from tables, graphs, charts, surveys, and observations.
Rotor Motor (69-75)	UT	MA.4.5.1.c	Represent data using frequency tables, bar graphs, line plots, and stem and leaf plots.
Flight: Interdisciplinary Learning Activities (76-79)	UT	MA.4.5.1.b	Collect, read, and interpret data from tables, graphs, charts, surveys, and observations.
We Can Fly, You and I: Interdisciplinary Learning (107-108)	UT	MA.4.5.1.b	Collect, read, and interpret data from tables, graphs, charts, surveys, and observations.
Dunked Napkin (17-22)	UT	MA.4.5.1.b	Collect, read, and interpret data from tables, graphs, charts, surveys, and observations.